

AMENDMENTS TO THE CLAIMS

Please cancel claim 14.

Please amend claims 1, 5-8 and 10.

This listing of claims will replace all versions, and listings, of claims in the application.

Listing of Claims

1. (Currently Amended) An in vivo imaging device comprising:
a substantially spherical housing comprising:
a support having a first and second face, the first face having thereon an antenna and an imager for viewing in vivo; and the second face of the support having thereon a transmitter; and
a ballast weight positioned such that the center of gravity of the in vivo imaging device is opposite the direction of view.
2. (Original) The in vivo imaging device according to claim 1, wherein the support is selected from a group consisting of: PCB, plastic board and sheet.
3. (Original) The in vivo imaging device according to claim 1 wherein the antenna is selected from a group consisting of: a single ring and a coil.
4. (Original) The in vivo imaging device according to claim 1, wherein the antenna is mounted around the periphery of the support.
5. (Currently Amended) The in vivo imaging device according to claim 1, comprising an optical isolation element.

6. (Currently Amended) The in vivo imaging device according to claim 5, wherein the optical isolation element is selected from a group consisting of: plastic, polymer, or ABS.
7. (Currently Amended) The in vivo imaging device according to claim 5, wherein the optical isolation element is selected from a group consisting of: an opaque barrier, a translucent barrier, a light trap, and an optical filter.
8. (Currently Amended) The in vivo imaging device according to claim 5 wherein the optical isolation element is an extension of a component of said in vivo imaging device.
9. (Original) The in vivo imaging device according to claim 8 where in the component is selected from a group consisting of: a dome, a lens, the illumination source, the image sensor, and the support.
10. (Currently Amended) The in vivo imaging device according to claim 5, wherein the optical isolation element is to support an optical system.
11. (Original) The in vivo imaging device according to claim 1 wherein the image sensor is selected from a group consisting of: CCD and CMOS.
12. (Original) The in vivo imaging device according to claim 1 comprising an optical system with a focal distance between 0 to 40 mm.
13. (Original) The in vivo imaging device according to claim 1 comprising an optical system with a field of view between about 80 and 140 degrees.
14. (Canceled)

15. (Original) A method of manufacturing a substantially spherical in vivo imaging device, said method comprising the steps of:
 mounting an image sensor and a transmitter on a single support; and
 encapsulating said support in a substantially spherical housing.
16. (Original) The method according to claim 15 comprising the step of mounting the transmitter on one face of the single support and mounting an antenna on a second face of the single support.
17. (Original) The method according to claim 15 comprising the step of including a ballast within the substantially spherical housing.
18. (Original) The method according to claim 15 comprising the step of attaching a ballast on a lower portion of the substantially spherical housing.
19. (Original) The method according to claim 15 wherein the spherical housing comprises a substantially transparent dome.
20. (Original) An in vivo imaging device comprising:
 a support;
 a transmitter mounted on the support; and
 an antenna embedded within the support.
21. (Original) The device of claim 20, comprising a ballast.
22. (Original) The device of claim 20, comprising a substantially spherical shell, wherein the support, transmitter and antenna are disposed within the shell.
23. (Original) The device of claim 20, comprising an imager.
24. (Original) An in vivo imaging device comprising:
 a transmitter;

an isolation element; and

an antenna attached to the isolation element.

25. (Original) The device of claim 24, comprising a ballast.
26. (Original) The device of claim 24, comprising a substantially spherical shell.
27. (Original) The device of claim 24, wherein the antenna is disposed substantially within the isolation element.
28. (Original) The device of claim 24, wherein the antenna is mounted on a surface of the isolation element.
29. (Original) The device of claim 24, wherein the isolation element is to optically isolate sections of the device.
30. (Original) The device of claim 24, comprising an imager.